

## ABSTRACT

5 In a touch screen having a flexible outer membrane with a first conducting surface, a backing surface with a second conductive surface, and sensors to detect contact between the first conducting surface and the second conducting surface, the improvement comprising the flexible outer membrane, wherein the flexible outer layer consists of an ultra-thin glass layer, a polymer layer; and an optical adhesive between the ultra-thin glass layer and the polymer layer, the optical adhesive holding the ultra-thin glass layer to the polymer layer.